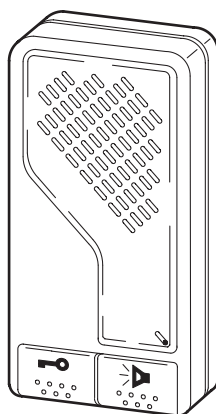


FREE-HANDS SYSTEMS

Mod. 752

duo[®]



Download from:
www.urmetdomus.com
Technical Manuals area
MT101-014_sec.2.pdf

	Diagram	Sec.	Pag.
FREE-HANDS SYSTEMS Mod. 752 DUO			
FREE-HANDS SYSTEMS Mod. 752			
GENERAL INSTALLATION RULES.....		2	3
PUSH BUTTON PANEL.....		2	3
Installation		2	3
FREE-HANDS DOOR UNIT		2	4
Interchangeability		2	4
DUO INDOOR SET		2	4
Interchangeability		2	4
Wall surface mounting version.....		2	4
Wall embedding version		2	5
Duo indoor set internal connection		2	5
POWER SUPPLY Ref. 752/20		2	5
Interchangeability		2	6
SECRECY OF CONVERSATION DEVICE Ref. 752/5		2	6
Insertion of the secrecy switch device ref. 5330/60 Inside the kombi push button panel		2	6
ADDITIONAL ELECTRONIC BUZZER Ref. 9854/52.....		2	6
CALL REPEATER RELAY Ref. 788/21		2	6
CONNECTION MISTAKES AND MOST COMMON FAILURES.....		2	7
DIMENSIONS.....		2	8
EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES		2	9
BASIC SYSTEM DIAGRAMS			
DUPLEX SYSTEM Mod. 752 STATION			
CONNECTION OF DUO INDOOR SETS TO A DUPLEX OUTDOOR STATION.....SC101-0209		2	14
DUPLEX SYSTEM Mod. 752			
CONNECTION OF DUO INDOOR SETS TO TWO DUPLEX OUTDOOR STATION..... SC101-0210A		2	16
DUO DUPLEX SYSTEM Mod. 752			
Examples of connection of the different parts (Indoor set, Outdoor set, Power supply) of the new system duplex Mod. 752 when used as spare parts in the previous Superjolly two-channel systems 2nd series		SC101-0211	2 18
DUO DUPLEX SYSTEM Mod. 752			
CONNECTION OF DUO INDOOR SETS TO A DUPLEX OUTDOOR STATION WITH SECRECY OF CONVERSATION		SC101-0212	2 20

FREE-HANDS SYSTEMS Mod. 752

The system offers typical free-hands features, i.e.:

- electronic call from the outside push button panel to the indoor set;
- conversation from outdoor station to indoor station and vice versa;
- electric lock opening from the indoor set;
- possibility of an additional electric control from the indoor set (for example for stairs lighting).

The following installation are only possible:

- connection to 1 outdoor station;
- connection to 2 outdoor stations with automatic switching.

For the 1 outdoor station system, the secrecy of conversation function is foreseen to be made with two accessories:

- secrecy device for indoor set Ref. 752/5;
- switch-off device for push button panel Ref. 5330/60.

The secrecy of conversation function requires a wire more than the normal system in the cable conduit. The phone yield of the new system is higher, since a duplex telephone wiring with electronic balancing has been used. In the case of "speech" on one of the two channels, balancing drastically reduces the other channel, this avoiding the Larsen effect.

The transmission and reception levels are calibrated on optimum value during production. The installer can only adjust amplification towards the outside by acting on the potentiometer mounted in the loudspeaker module Ref. 752/75. Amplification towards the indoor set is not adjustable.

The new indoor set Ref. 752/23 and Ref. 752/231 is compatible and interchangeable with the previous indoor sets Ref. 4340/23, and Ref. 4340/231, the same for the power supply.

Also the outdoor set is electrically compatible with the previous loudspeaking unit Ref. 4330/27, but since it is mounted on Kombi push button panel modules, it is not mechanically compatible, therefore the push button panel shall be replaced too.

GENERAL INSTALLATION RULES

For a correct installation of systems the following must be kept in mind:

- system wires must be introduced into metal or plastic tubes, where there shall be no other wire, such as stairs lights lifts, or energy distribution net wires;
- use twisted coupled wires from power supply to outdoor set:
 - one couple from microphone MIC;
 - one couple for loudspeaking receiver ALT.
- system wires diameter depends on connections lengths, as shown in the side table.

	Section mm ²	Diameter mm	Distance m
Speech circuit and call	0,5	8/10	50
	0,5	8/10	100
	0,8	10/10	200
	1	12/10	300
Door opener	0,5	8/10	50
	0,8	8/10	100
	1	8/10	200
	1,6	8/10	300

During power supply installation make a jumper between terminals 6 and ~12. Calls from the outdoor station come directly on the indoor set loudspeaker operated by means of a determined frequency.

Also foresee wires for push button panel lamps lighting with a separate transformer of adequate power (up to 2 lamps, the system power supply can be used) and wires for electric lock opener button next to the door.

PUSH BUTTON PANEL

Duo system Mod. 752 foresees the use of the Kombi modular push button panel Mod. 825 only.

Kombi system is based on extruded aluminium modules that can be fitted on special frames complete with embedding box. The embedding boxes can be coupled horizontally by means of plastic spacers; through this system it is possible to compose push button panels of all types and configurations, with the smallest number of components.

The system may be used in the following versions:

- wall embedding;
- wall surface mounting.

Kombi system foresees the following accessories:

- embedding frame: embedding wall mounting version
- anti-rain hood covers: compete with embedding frame for embedding wall mounting version
- housings with hood cover: wall surface mounted version complete with embedding frame and module frame

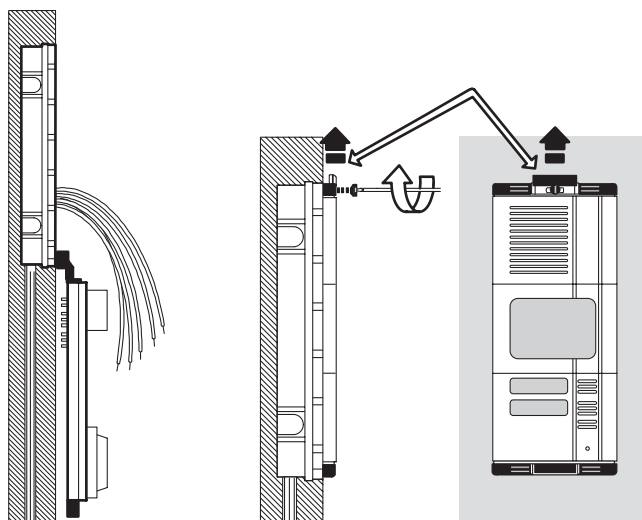
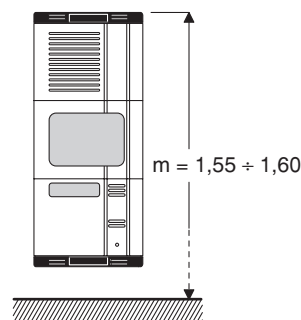
Description of components and accessories for installing the panel are shown in the section "2d - Kombi panels".

For further details on Kombi push button panel assembly and installation, consult the relevant documentation.

In order to avoid Larsen ("whistle") effect, the two outdoor set modules shall not be mounted one near the other, but kept separated by a key or repertory module.

INSTALLATION

The recommended height for installing the push button panel is approximately 1.55 m from the ground.





FREE-HANDS SYSTEMS Mod. 752

FREE-HANDS DOOR UNIT - DUO INDOOR SET

urmet
DOMUS

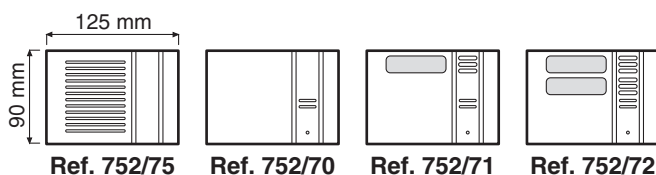
FREE-HANDS DOOR UNIT

The outdoor set of the system Mod. 752 is exclusively made of two (separate) modules of the Kombi push button panel line; therefore it cannot be inserted into the normal push button panels Mod. 725.

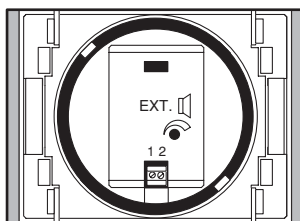
The Two-channel Kombi outdoor set consists of:

- Loudspeaker module without buttons **Ref. 752/75**
- Microphone module with 1 stair light key **Ref. 752/70**
- Microphone module with 1 call key and 1 stair light key **Ref. 752/71**
- Microphone module with 2 call keys and 1 stair light key **Ref. 752/72**

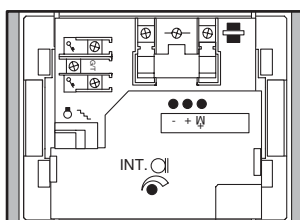
In order to avoid Larsen ("whistle") effect the two modules shall not be mounted one near the other, but they have to be kept separate by a key or repertory module.



Transmission and reception values are factory set to optimal levels. Amplification towards the outside can be adjusted using the trimmer inserted in the Ref. 752/75 loudspeaker module.



The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in the previous Superjolly systems where terminal + shall be connected instead of +M.



INTERCHANGEABILITY

The outdoor set is electrically compatible and interchangeable with the previous loudspeaking unit Ref. 4340/27, but it is not mechanically interchangeable since it is mounted on Kombi modules. It will be therefore necessary to replace also the push button panel.

DUO INDOOR SET

Duo indoor set Mod. 752 utilizes, as transmitting capsule, an electret microphone that guarantees a more constant and linear transmission. It is arranged to receive the call directly on the loudspeaker with a bitonal sound supplied by the power supply.

Duo indoor set is foreseen for two way of installation:

- wall surface mounting;
- wall embedding.

All connections to the line are made after Duo base has been fixed to the wall, thus simplifying all operations.

Duo is foreseen in the versions:

- for normal outdoor station system;
- for outdoor station systems, with 1 additional key, with 1 conversation key and 1 door opener key
- with 1 conversation key, 1 door opener and 1 key for special services

Ref. 752/23

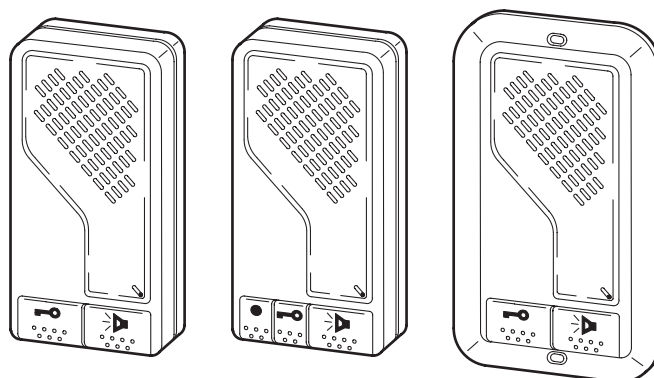
Ref. 752/231

The normal version is equipped with two keys:

- a conversation key;
- a door opener key.

The version with additional key is equipped with three keys:

- a conversation key;
- a door opener key;
- a further key for special services (for example for stairs lighting).



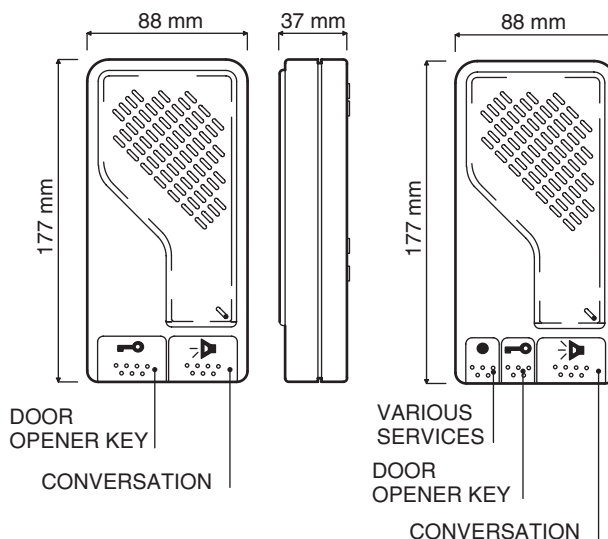
INTERCHANGEABILITY

Duo indoor set **Mod. 752** is **interchangeable** with the previous models: Jolly and Superjolly 1st series with carbon transmitting capsule, and Superjolly 2nd series.

It is not interchangeable with jolly model with loudspeaker instead of carbon capsule.

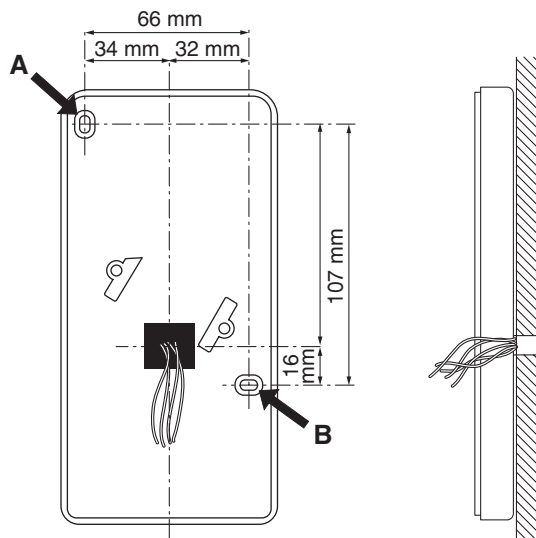
The fact that the duo is not equipped with a buzzer but only pre-engineered to receive the external call directly on the loudspeaker by means of a two-tone signal provided by the power supply is very important. In the case of replacement of the Jolly and in Superjolly 1st series systems where the call is sent to the buzzer (terminal RZ), the electronic buzzer Ref. 9854/52 must be inserted inside the duo. A terminal of the buzzer must be connected with terminal 6 of the duo; the other terminal must be connected to the call wire that, in old house phones, was connected to the RZ terminal. In the case of replacement of Superjolly 2nd series, the buzzer is not required as the call wire in both systems is sent to terminal CA.

WALL SURFACE MOUNTING VERSION

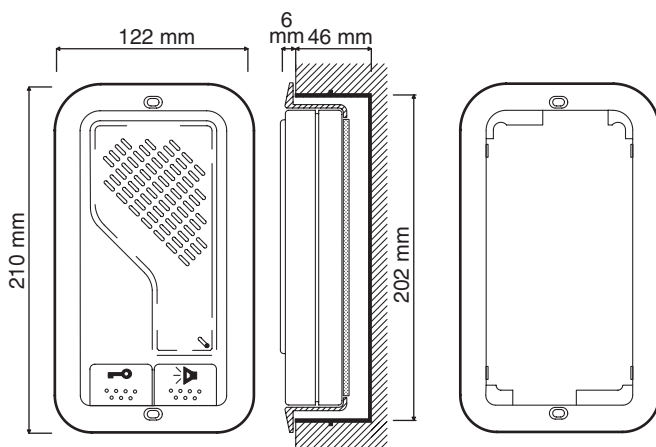


To fix Duo to the wall, it is necessary to prearrange two nogs in correspondence of two holes placed on the horizontal **A** and on the vertical **B**.

The central zone indicates the space for wire input.



WALL EMBEDDING VERSION



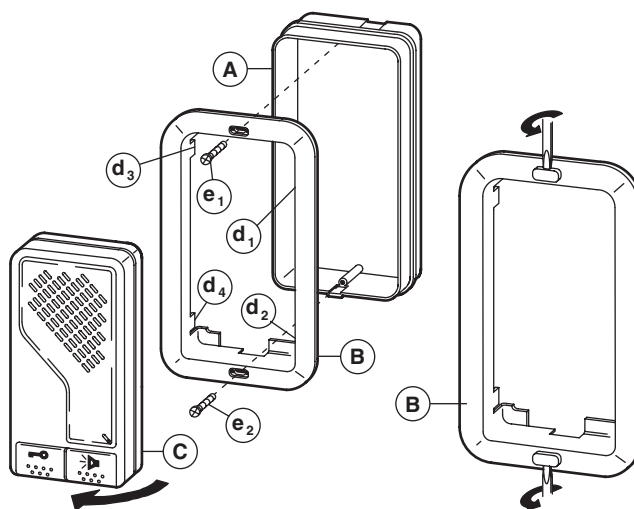
For this way of installation use the proper:

- embedding box
- frame

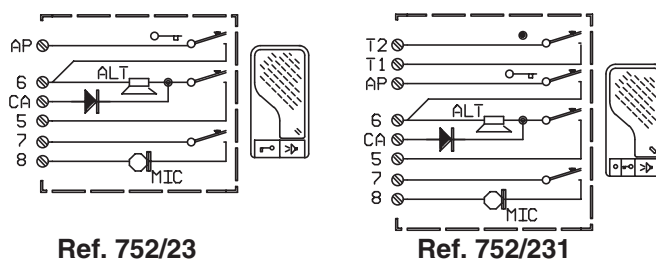
Ref. 4328/16
Ref. 752/1

The operations to be performed are the following:

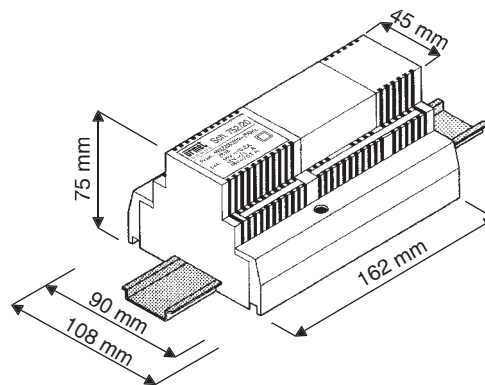
- embed box **A**. Plaster should be leveled or stick out the edge of the box 1 cm max.;
- remove the screw caps of the frame **B** by means of a screwdriver
- fix the frame to the embedding box by means of the two screws **e1** and **e2**;
- remove the indoor set front plate to have access to connection terminals. The front plate is hinged to the base in the upper side and fixed by a snap-system in the lower side. To remove it, hold the base with one hand and pull the front plate outwards with the other hand (or exert leverage with a screw driver in the specific slots);
- make the connections;
- replace the front plate;
- insert indoor set **C** into frame **B**. The indoor set will be snapped by means of four clips: **d1** - **d2** - **d3** - **d4**.



DUO INDOOR SET INTERNAL CONNECTION



POWER SUPPLY Ref. 752/20



The power supply Ref. 752/20 consists of:

- 28 VA transformer;
- primary 110-230V;
- secondary 12 V, 1 A (supply for door opener and buzzer terminals 0 and 12.);
- secondary 18 V, 0.2 A (terminals 0 and 18);
- secondary 15V d.c., 0.2 A (connected internally - supply for amplifying circuits);
- output for bitonal call on loudspeaker with F1= 1200Hz, F2 = 1800Hz with sweep rate 10-20Hz;
- inwards amplifier (input terminals 3-4, output terminals 5-6);
- outwards amplifier (input terminals 7-8, output terminals 1-2).

The power supply can be mounted on drawn bars according to 'DIN 46277' specifications or fixed to the wall by means of two screws and nogs.

The length of 162 mm corresponds to 9 modules of 18 mm each, in accordance with 'DIN 43880' specifications.



FREE-HANDS SYSTEMS Mod. 752

SECURITY OF CONVERSATION DEVICE Ref. 752/5 - ADDITIONAL ELECTRONIC BUZZER Ref. 9854/52
CALL REPEATER RELAY Ref. 788/21

urmet
DOMUS

INTERCHANGEABILITY

It is interchangeable with the previous model Ref. 4340/20. On the contrary, it is not interchangeable with the Jolly type Ref. 4330/20. In this case it is necessary to replace also the outdoor station.

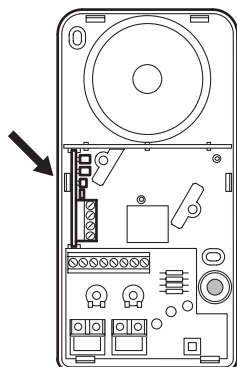
SECURITY OF CONVERSATION DEVICE Ref. 752/5

The device Ref. 752/5 shall be inserted inside the indoor set proceeding as follows:

- remove the cover and place the device on the base in the position shown in the figure, inserting it into the proper guides;
- connect the device outgoing wires 7A, 5A, CA, 6, AP1 to the corresponding indoor set terminals 7, 5, CA, 6, AP.

Wire colors

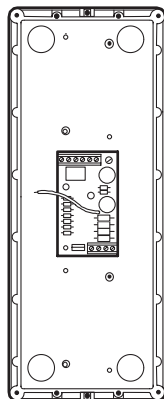
7A = yellow 5A = red CA = white 6 = black AP1 = light blue



WARNING: A Ref. 5330/60 device common to all the house phone must be inserted inside the push button panel. This assures switching off of any secrecy of conversation devices left enabled by a previous call, thus assuring complete secrecy. In view of the dimensions of the device and of loudspeaking unit modules, the switch-off device must be positioned only behind a Ref. 825/5 repertory module or Ref. 825/201, Ref. 825/202, Ref. 825/203 and Ref. 825/204 push button modules and fastened inside the embedding box positioning it on the specific pins and tightening it with a screw.

INSERTION OF THE SECRECY SWITCH DEVICE Ref. 5330/60 INSIDE THE KOMBI PUSH BUTTON PANEL

The device will switch off the secrecy devices eventually remained activated from a previous call, thus assuring the total secrecy. The switch-off device has to be inserted inside the push button panel embedding box, positioning it on the suitable pins and fixing it by a screw. Connect the outgoing wire SN (Brown) to push button panel commons G/T and connect jumper between terminals 1A and +. The red wire shall be cut off.

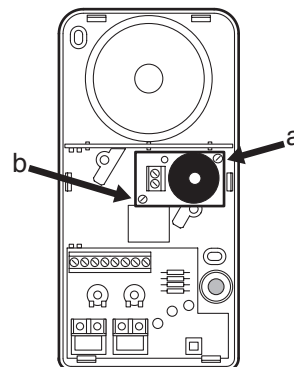


ADDITIONAL ELECTRONIC BUZZER Ref. 9854/52

The device Ref. 9854/52 can be used for an additional call.

To mount the buzzer inside the indoor set proceed as follows:

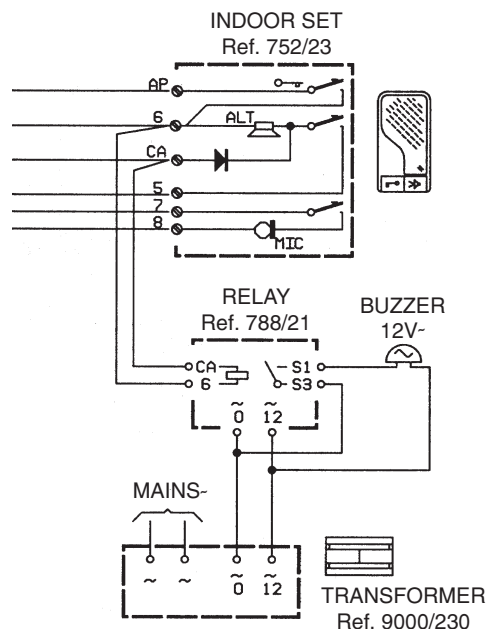
- fix the buzzer to the base using the two 2.9 x 13.5 screws indicated by a-b;
- connect the system wires to the two terminals.



CALL REPEATER RELAY Ref. 788/21

As previously described, the call coming from the outside push button panel towards the indoor sets takes place directly on the loudspeaker with a bitonal sound supplied by the power supply. When the call has to be sent also to additional ringers, it is necessary to use the call repeater Ref. 788/21 to be parallel connected to the indoor set loudspeaker. For its connection, proceed as follows:

- connect terminals 6 and CA to the indoor set corresponding terminals;
- feed the call repeater relay by means of a 12V a.c. transformer, the voltage of which can feed the additional ringer.



CONNECTION MISTAKES AND MOST COMMON FAILURES

- **Operation failure from indoor set to outdoor station**

On the outdoor set disconnect wires 1 and 2 and measure the loudspeaker resistance (the resulting resistance varies from $45\ \Omega$ to $515\ \Omega$, since the circuit is made of a $45\ \Omega$ loudspeaker with a series connected $470\ \Omega$ potentiometer).

If the loudspeaker is not defective, the failure might be caused by the loudspeaker line (line 1-2) or by the indoor set transmitting capsule line (line 7-8). In this case, insulation and continuity of the above lines must be carefully checked.

If the failure does not fall within the above mentioned cases, the power supply will have to be checked and probably replaced since it might be causing the failure.

- **Operation failure from outdoor station to indoor set**

Defective electret microphone circuit. A check with a tester is not possible. Try to replace the outdoor set. If the failure is still present, check line 3-4 disconnecting the two wires from outdoor set and power supply, and measuring continuity and insulation. Make same check on the indoor sets loudspeaker line (5-6). If the failure does not fall within the above mentioned cases, the power supply will have to be checked and probably replaced since it might be causing the failure.

- **Operation failure on both directions**

Check the 315 mA fuse: if burnt, it shall be replaced with one of the same value.

Check network voltage.

- **Lock does not open**

Check that there is a voltage of 12V between terminals 0 and 12 of the power supply.

Check the door release lines between terminals AP, 6 or that the contact of the door release key is working correctly.

- **NO calls on loudspeaker**

Check that the power supply generates the call signal through insertion of a $45\ \Omega$ resistance between terminals PS and 6 of the power supply.

- **“Whistle” or Larsen effect**

If the system presents a “whistle” due to Larsen effect, duly adjust the potentiometer of the loudspeaker module, reducing the volume until the effect disappears. The inwards amplification is not adjustable.

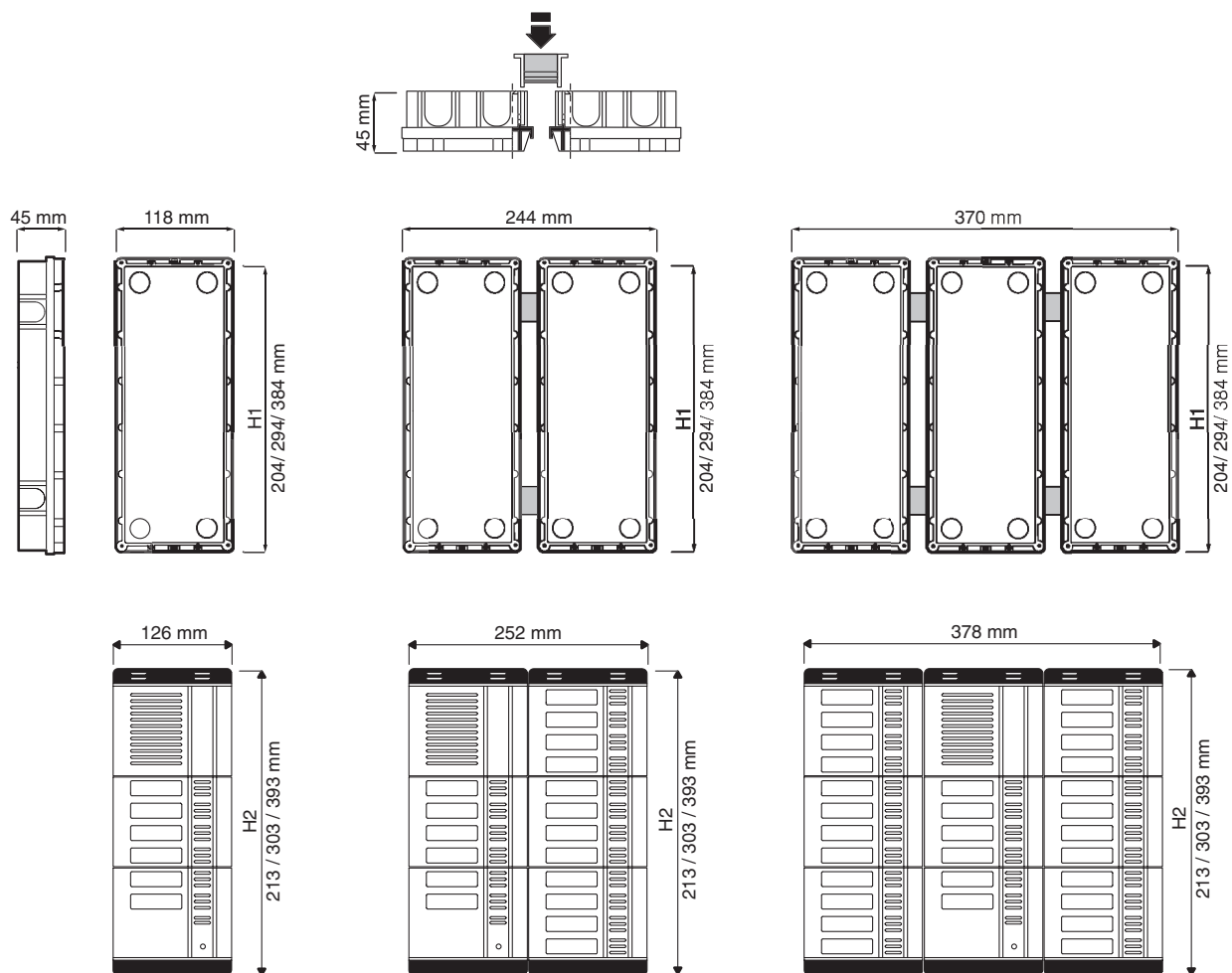


FREE-HANDS SYSTEMS Mod. 752

DIMENSIONS

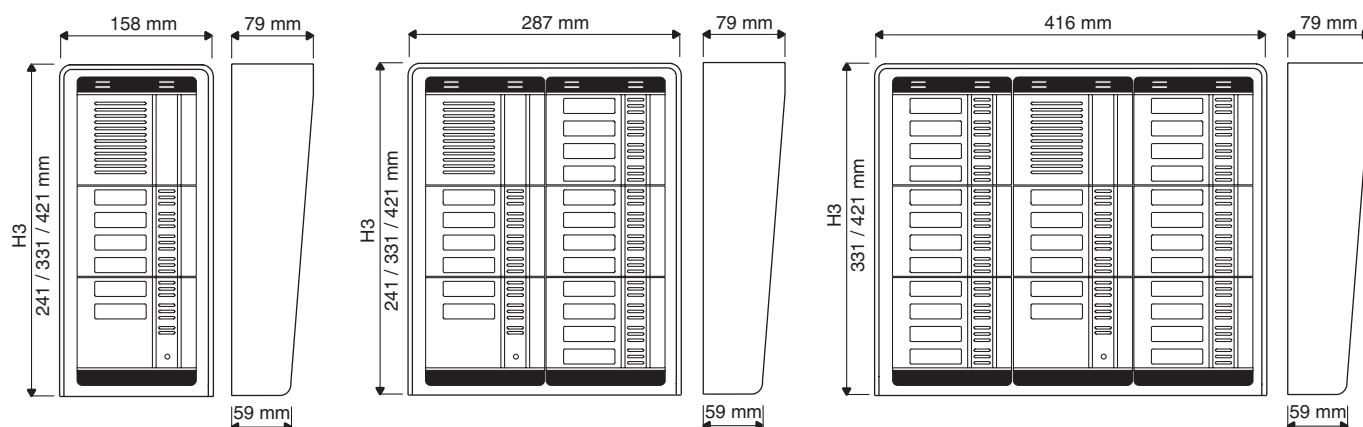


FLUSH-MOUNTED VERSION



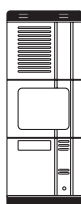
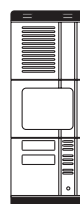
Note: H1= 204, 294, 384 indicates flush mounting height and H2= 213, 303, 393 indicates to total height relative to 2, 3 and 4 module versions

WALL-MOUNTED VERSION



Note: H3 referred to the total height may differ according to the number of modules that the case may contain.

(°) alternatives
(#) alternatives


1

2

3

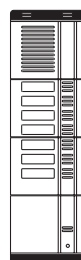
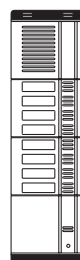
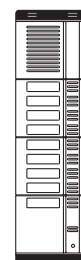
	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/71		752/72		752/70	
	Push button modules	-		825/5		825/203	
FLUSH MOUNTED(#)	Module frames with embedding box	825/23		825/23		825/23	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)	825/33		825/33		825/33	
	Rain hood with wall cover frame (°)	825/43		825/43		825/43	
WALL MOUNTED(#)	Case with hood, frame and module holders	825/53		825/53		825/53	


4

5

6

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/70		752/71		752/72	
	Push button modules	825/204		-		825/204	
FLUSH MOUNTED(#)	Module frames with embedding box	825/23		825/23		825/23	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)	825/33		825/33		825/33	
	Rain hood with wall cover frame (°)	825/43		825/43		825/43	
WALL MOUNTED(#)	Case with hood, frame and module holders	825/53		825/53		825/53	


7

8

9

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/70		752/70		752/71	
	Push button modules	1 x 825/203 - 1 x 825/204		-		2 x 825/204	
FLUSH MOUNTED(#)	Module frames with embedding box	825/24		825/24		825/24	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)	825/404		825/404		825/404	
	Rain hood with wall cover frame (°)	825/441		825/441		825/441	
WALL MOUNTED(#)	Case with hood, frame and module holders	825/541		825/541		825/541	

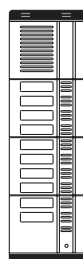


FREE-HANDS SYSTEMS Mod. 752

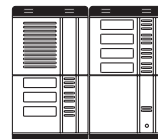
EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES



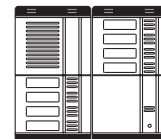
(°) alternatives
(#) alternatives



10



7

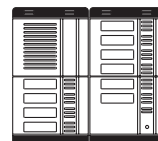


8

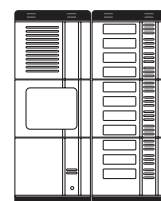
	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/72		752/70		752/70	
	Push button modules	Repertory module	2 x 825/204	-	1 x 825/203 - 1 x 825/204	-	2 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		825/24		2 x 825/22		2 x 825/22
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/404		825/34		825/34
	Rain hood with wall cover frame (°)		825/441		825/44		825/44
WALL MOUNTED(#)	Case with hood, frame and module holders		825/541		825/54		825/54



9

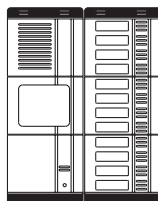


10

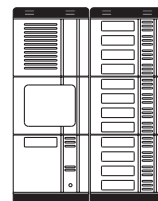


11

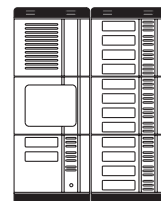
	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/71		752/72		752/70	
	Push button modules	Repertory module	2 x 825/204	-	2 x 825/204	-	1 x 825/203 - 2 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/22		2 x 825/22		2 x 825/23
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/34		825/34		825/36
	Rain hood with wall cover frame (°)		825/44		825/44		825/46
WALL MOUNTED(#)	Case with hood, frame and module holders		825/54		825/54		825/56



12



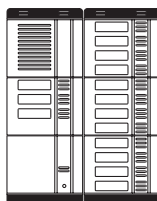
13



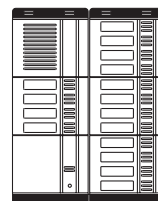
14

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/70		752/71		752/72	
	Push button modules	Repertory module	3 x 825/204	825/5	3 x 825/204	825/5	3 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/23		2 x 825/23		2 x 825/23
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/36		825/36		825/36
	Rain hood with wall cover frame (°)		825/46		825/46		825/46
WALL MOUNTED(#)	Case with hood, frame and module holders		825/56		825/56		825/56

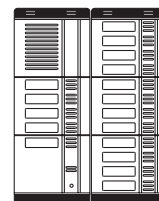
(°) alternatives
(#) alternatives



15

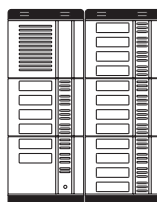


16

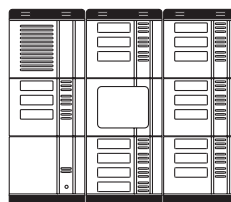


17

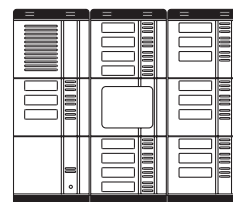
	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/70		752/70		752/71	
	Push button modules	Repertory module	1 x 825/203 - 3 x 825/204	-	4 x 825/204	-	4 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/23		2 x 825/23		2 x 825/23
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/36		825/36		825/36
	Rain hood with wall cover frame (°)		825/46		825/46		825/46
WALL MOUNTED(#)	Case with hood, frame and module holders		825/56		825/56		825/56



18

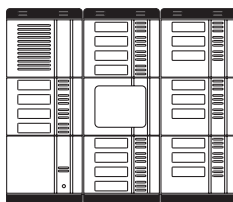


19

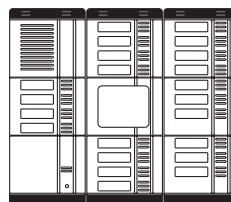


20

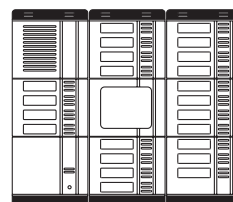
	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/72		752/70		752/70	
	Push button modules	Repertory module	4 x 825/204	-	1 x 825/204 - 5 x 825/203	825/5	2 x 825/204 - 4 x 825/203
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/23		3 x 825/23		3 x 825/23
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/36		825/39		825/39
	Rain hood with wall cover frame (°)		825/46		825/49		825/49
WALL MOUNTED(#)	Case with hood, frame and module holders		825/56		825/59		825/59



21



22



23

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/70		752/70		752/70	
	Push button modules	Repertory module	3 x 825/203 - 3 x 825/204	825/5	2 x 825/203 - 4 x 825/204	825/5	1 x 825/203 - 5 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		3 x 825/23		3 x 825/23		3 x 825/23
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/39		825/39		825/39
	Rain hood with wall cover frame (°)		825/49		825/49		825/49
WALL MOUNTED(#)	Case with hood, frame and module holders		825/59		825/59		825/59

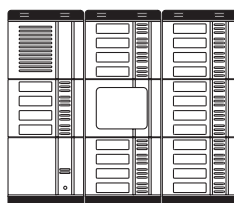


FREE-HANDS SYSTEMS Mod. 752

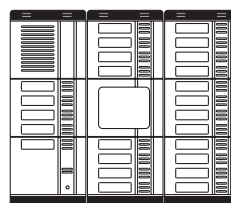
EXAMPLES OF MODULAR CONSTRUCTIONS WITH VARIOUS CAPACITIES



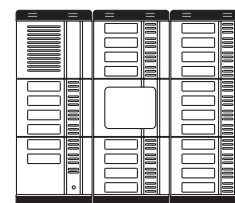
(°) alternatives
(#) alternatives



24

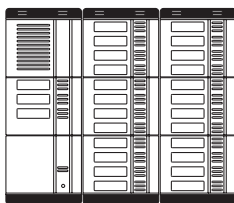


25

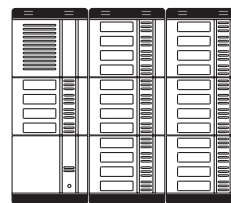


26

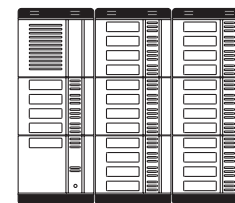
	Loudspeaker module		752/75		752/75		752/75	
	Microphone module		752/70		752/71		752/72	
	Push button modules	Repertory module	6 x 825/204	825/5	6 x 825/204	825/5	6 x 825/204	825/5
FLUSH MOUNTED(#)	Module frames with embedding box		3 x 825/23		3 x 825/23		3 x 825/23	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/39		825/39		825/39	
	Rain hood with wall cover frame (°)		825/49		825/49		825/49	
WALL MOUNTED(#)	Case with hood, frame and module holders		825/59		825/59		825/59	



27

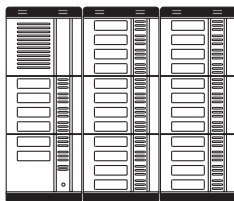


28

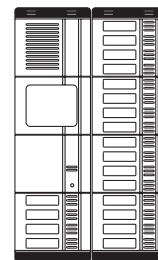


29

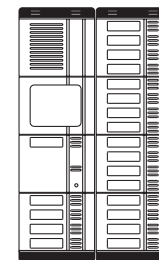
	Loudspeaker module		752/75		752/75		752/75	
	Microphone module		752/70		752/70		752/71	
	Push button modules	Repertory module	1 x 825/203 - 6 x 825/204	-	7 x 825/204	-	7 x 825/204	-
FLUSH MOUNTED(#)	Module frames with embedding box		3 x 825/23		3 x 825/23		3 x 825/23	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/39		825/39		825/39	
	Rain hood with wall cover frame (°)		825/49		825/49		825/49	
WALL MOUNTED(#)	Case with hood, frame and module holders		825/59		825/59		825/59	



30



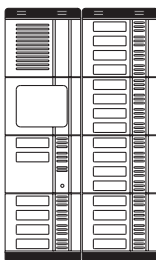
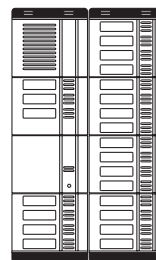
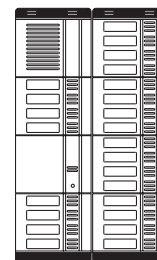
20



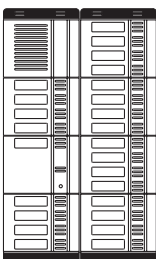
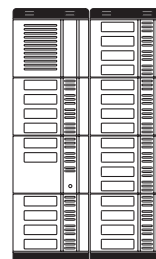
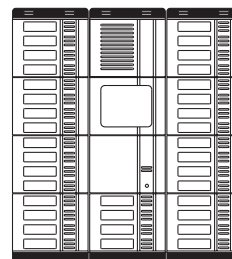
21

	Loudspeaker module		752/75		752/75		752/75	
	Microphone module		752/72		752/70		752/71	
	Push button modules	Repertory module	7 x 825/204	-	5 x 825/204	825/5	5 x 825/204	825/5
FLUSH MOUNTED(#)	Module frames with embedding box		3 x 825/23		2 x 825/24		2 x 825/24	
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/39		825/408		825/408	
	Rain hood with wall cover frame (°)		825/49		825/442		825/442	
WALL MOUNTED(#)	Case with hood, frame and module holders		825/59		825/542		825/542	

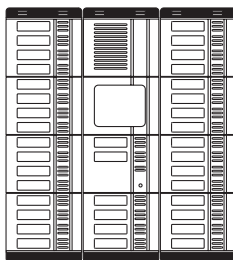
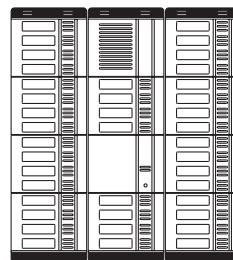
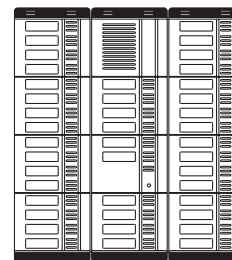
(°) alternatives
(#) alternatives


22

23

24

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/72		752/70		752/70	
	Push button modules	Repertory module	5 x 825/204	825/5	1 x 825/203 - 5 x 825/204	-	6 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/24		2 x 825/24		2 x 825/24
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/408		825/408		825/408
	Rain hood with wall cover frame (°)		825/442		825/442		825/442
WALL MOUNTED(#)	Case with hood, frame and module holders		825/542		825/542		825/542


25

26

36

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/71		752/72		752/70	
	Push button modules	Repertory module	6 x 825/204	-	6 x 825/204	-	9 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		2 x 825/24		2 x 825/24		3 x 825/24
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/408		825/408		825/412
	Rain hood with wall cover frame (°)		825/442		825/442		825/443
WALL MOUNTED(#)	Case with hood, frame and module holders		825/542		825/542		825/543


38

40

42

	Loudspeaker module	752/75		752/75		752/75	
	Microphone module	752/72		752/70		752/72	
	Push button modules	Repertory module	9 x 825/204	825/5	10 x 825/204	-	10 x 825/204
FLUSH MOUNTED(#)	Module frames with embedding box		3 x 825/24		3 x 825/24		3 x 825/24
FLUSH MOUNTING ACCESSORIES	Wall cover frame (°)		825/412		825/412		825/412
	Rain hood with wall cover frame (°)		825/443		825/443		825/443
WALL MOUNTED(#)	Case with hood, frame and module holders		825/543		825/543		825/543

DUPLEX SYSTEM Mod. 752 STATION

CONNECTION OF DUO INDOOR SETS TO A DUPLEX OUTDOOR STATION



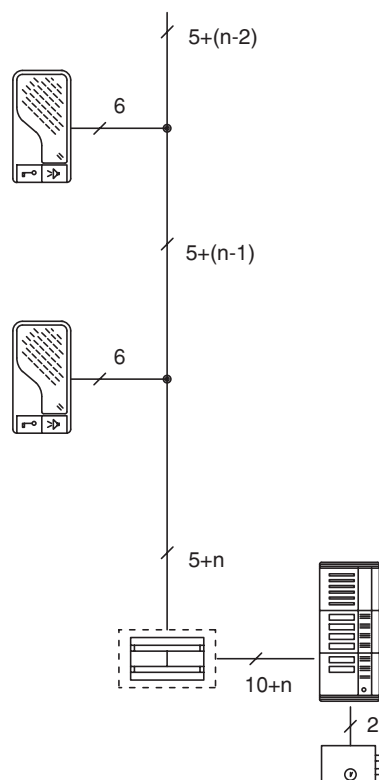
FUNCTION

Pushing one of the buttons on the push button panel, outside the building, the bitonal call sound is sent to the corresponding indoor set loudspeaker.

When on the called indoor set the conversation button is pressed, contact is made between inside and outside and conversation may start.

The indoor set conversation button must be kept pressed during all the conversation.

To operate the electric lock it is sufficient to briefly press the corresponding button.



EQUIPMENT

For said installation (Scheme SC101-0209) the following items are required:

N. X	Duo indoor sets	White colour	Ref. 752/23
	<i>For wall embedding, add:</i>		
N. X	Embedding boxes		Ref. 4328/16
N. X	Frames for embedding box		Ref. 752/1
N. 1	Power supply		Ref. 752/20
N. 1	Modular push button panel		Mod. Kombi

WIRES

As indicated in the Scheme SC101-0209.

- N. 4 Wires from power supply to push button panel towards the outdoor set (2 twisted coupled wires);
- N. 2 Wires from power supply to electric lock;
- N. 1 Wire from power supply to push button panel common;
- N. 4 Common wires from power supply to indoor sets;
- N. 1 Common wire from electric lock to indoor sets;
- N. 1 Single wire from push button panel to each indoor set.

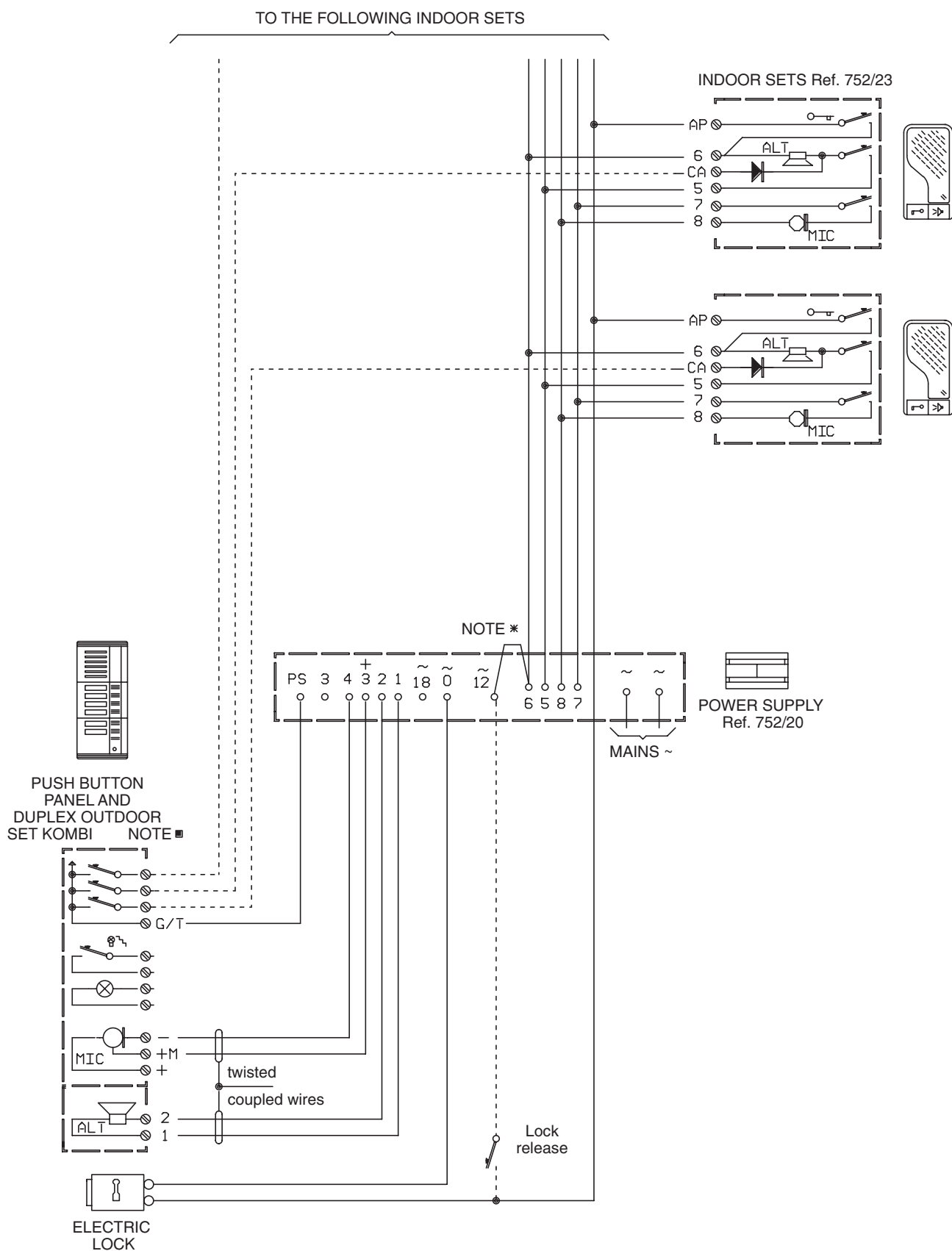
Also provide wires for switching on of the bulbs of the push button panel powered by separate appropriately rated power transformer.

IMPORTANT: Use twisted wires for the connection towards the outdoor station, one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.

NOTE: During power supply installation make a jumper between terminals 6 and ~ 12.



DUPLEX SYSTEM Mod. 752 CONNECTION OF DUO INDOOR SETS TO TWO DUPLEX OUTDOOR STATION



FUNCTION

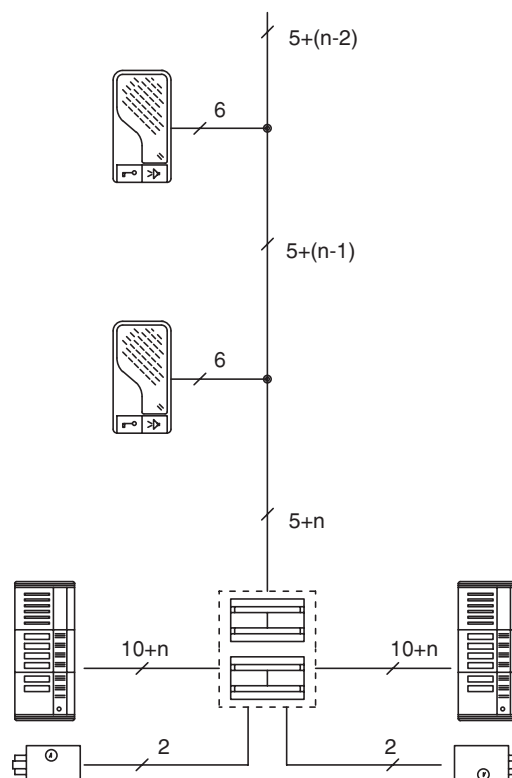
This type of installation allows connection of a series of indoor sets to two push button panels in a building with two entrances.

With the proposed solution, by simply pushing a button on one of the two panels, the called indoor set, pushing the conversation button, is automatically connected with the calling panel.

However, this type of installation does not allow to talk from the two outdoor stations simultaneously, since they work alternatively.

Indoor set conversation button must be kept pressed during all the conversation.

To operate the electric lock it is sufficient to briefly press the corresponding button: in this way, the electric lock corresponding to the push button panel from which the call has been made is energized.



EQUIPMENT

For said installation (Scheme SC101-0210A) the following items are required:

N. X	Duo indoor sets	White colour	Ref. 752/23
N. X	Embedding boxes	<i>For wall embedding, add:</i>	Ref. 4328/16
N. X	Frames for embedding box		Ref. 752/1
N. 1	Power supply		Ref. 752/20
N. 2	Pulsantiere componibili		Mod. Kombi
N. 1	Relay box for automatic switching		Ref. 788/1

NOTE: In the relay box make a jumper between terminals C1 - C2.

During power supply installation make a jumper between terminals 6 and ~ 12.

WIRES

As indicated in the Scheme SC101-0210A.

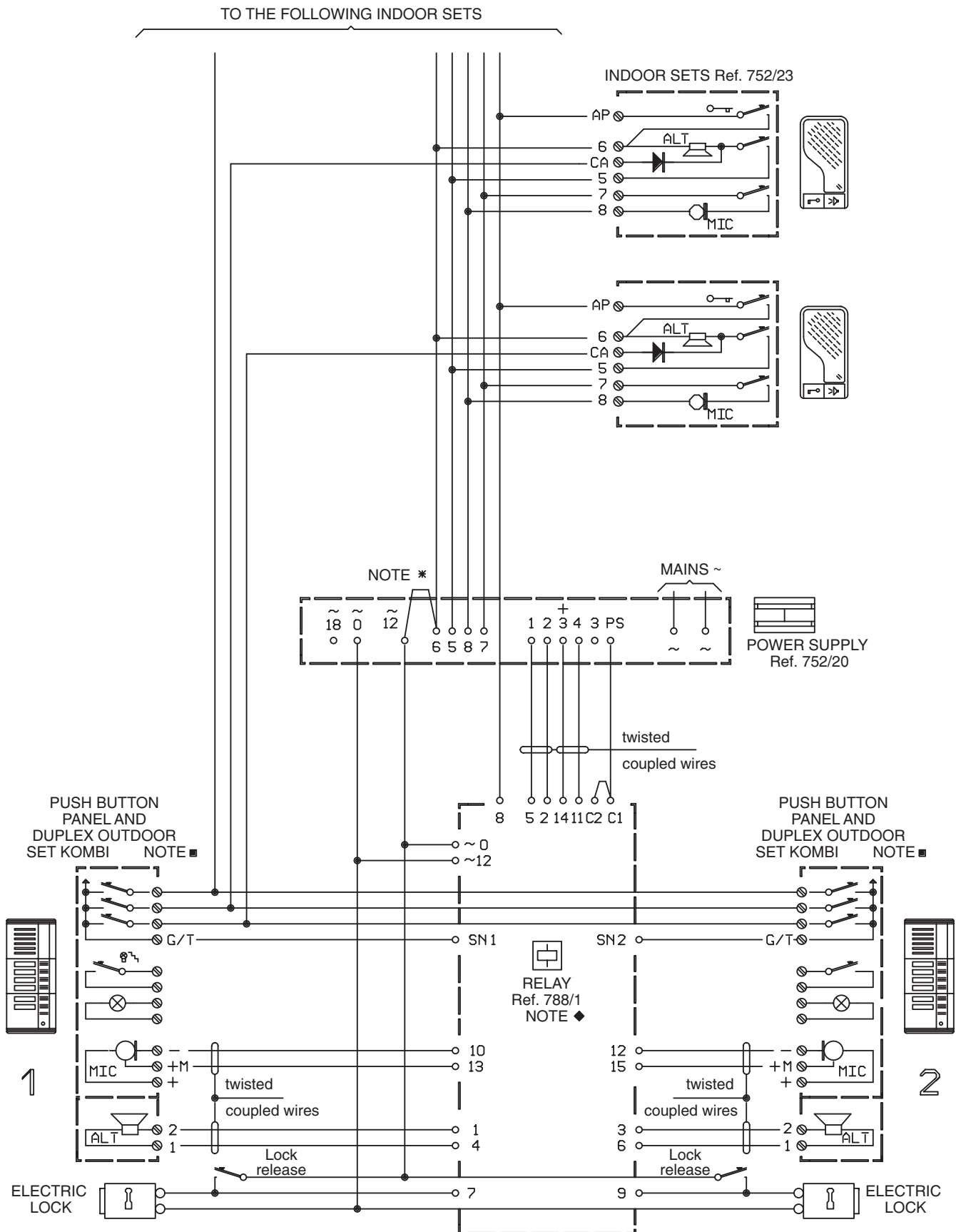
- N. 5 Wires from power supply to relay box;
- N. 8 Wires from relay box to each panel. 4 of these ones, that is the ones to the outdoor station, must be connected with twisted coupled wires, one for microphone M and one for receiver R;
- N. X Wires from push button panels to indoor sets;
- N. 5 Common wires from power supply and relay box group to the indoor sets.

Also foresee wires for push button panels lamps lighting fed by a separate transformer of adequate power

IMPORTANT: Use twisted coupled wires for the connections towards the outdoor station one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.



DUO DUPLEX SYSTEM Mod. 752
Examples of connection of the different parts (Indoor set, Outdoor set, Power supply)
of the new system duplex Mod. 752 when used as spare parts in the
previous Superjolly two-channel systems 2nd series



INDOOR SET Ref. 752/23

To replace the indoor set Ref. 4340/23 by the new type Ref. 752/23, connect wires to the same terminals. If in the existing system the buzzer RZ has been used for the floor calls, since in the Duo indoor set this buzzer and the relevant terminal RZ are not foreseen, it is necessary to use the additional buzzer Ref. 9854/52, that can be inserted inside the same indoor set, or any other 12V a.c. 10VA max. buzzer or ringer to be installed outside the indoor set.

TC = Button for possible floor call.

POWER SUPPLY Ref. 752/20

To replace the power supply Ref. 4340/20 by the Duo power supply Ref. 752/20 connect wires to the same terminals. Only take care to connect the relevant wire to terminal 3 and not to terminal +3 (to be used in Duo system Mod. 752).

KOMBI DUPLEX OUTDOOR AND PUSH BUTTON PANEL

To replace the loudspeaking unit Ref. 4340/27 by the new outdoor set Mod. 752, it is necessary to replace also the push button panel using the Kombi modular type; this is due to the fact that the microphone and the loudspeaker Mod. 752 are mounted inside suitable Kombi modules.

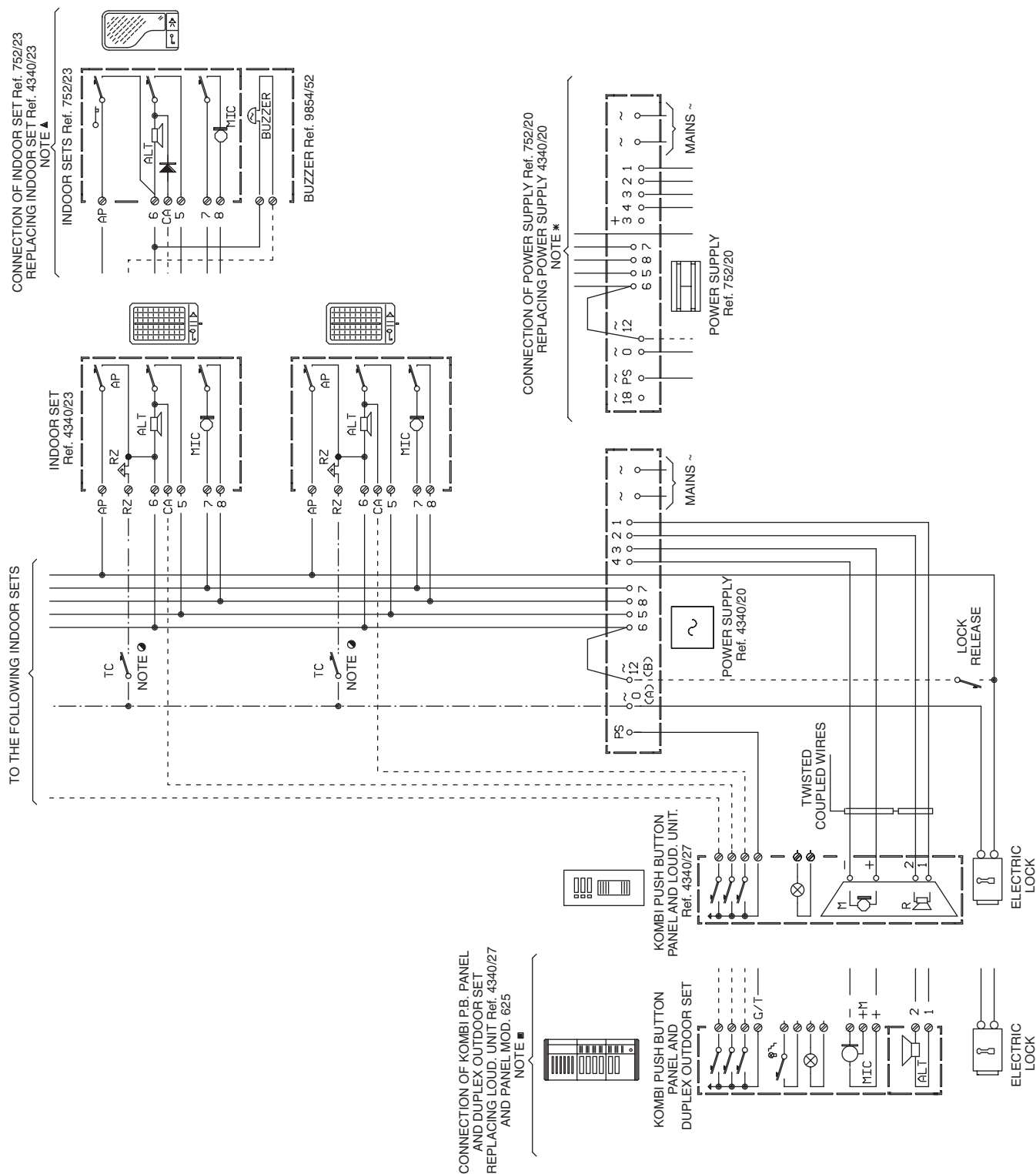
As a matter of fact the Duo duplex outdoor set is made of:

Loudspeaker module:	Ref. 752/75	
Microphone module:	Ref. 752/70	without keys
or	Ref. 752/71	with 1 key
or	Ref. 752/72	with 2 keys

In order to avoid Larsen ("whistle") effect, the two modules shall not be mounted one near the other, but they have to be kept separate by a key or repertory module.

It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the microphone module. Take care to connect terminal + and not terminal +M (to be used in Duo system Mod. 752 where, on the contrary, the inwards amplification is not adjustable).



DUO DUPLEX SYSTEM Mod. 752
CONNECTION OF DUO INDOOR SETS
TO A DUPLEX OUTDOOR STATION WITH SECRECY OF CONVERSATION



FUNCTION

To assure the secrecy to all the indoor sets, a secrecy device Ref. 752/5 shall be inserted in each indoor set and a switch-off device Ref. 5330/60 in the push button panel.

So, all the indoor sets will be cut off from any conversation; only the called indoor set can start a conversation with the caller, no other being able to intercept the call. At the end of the conversation, said indoor set remains activated to conversation until a following call to another indoor set releases it. There are two possibilities of electric lock opening:

- opening activated by the device after an outside call: the lock cannot be operated without any call (standard connection);
- opening each time the door opener key is pressed. In this case connect conduit wire 9 directly to indoor set terminal AP and not to secrecy device terminal AP2.

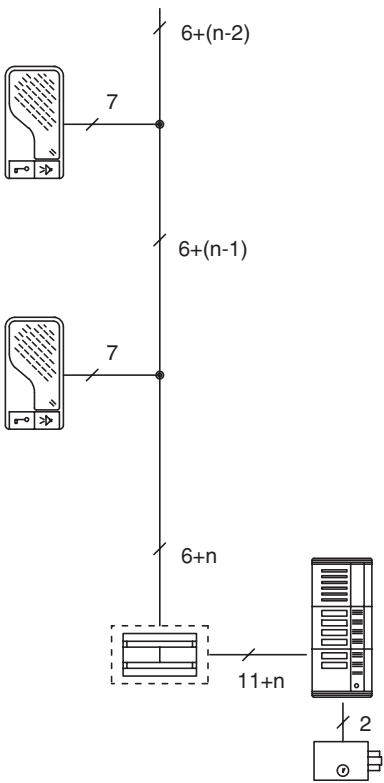
Consequently do not connect device terminal AP1 to indoor set terminal AP.

EQUIPMENT

For said installation (Scheme SC101-0212) the following items are required:

N. X	Duo indoor sets White colour	Ref. 752/23
N. X	For wall embedding, add:	
N. X	Embedding boxes	Ref. 4328/16
N. X	Frames for embedding box	Ref. 752/1
N. X	Secrecy device	Ref. 752/5
N. 1	Switch-off device for push button panel	Ref. 5330/60
N. 1	Power supply	Ref. 752/20
N. 1	Modular push button panel	Mod. Kombi

NOTE: During power supply installation make a jumper between terminals 6 and 12.



WIRES

As indicated in the Scheme SC101 - 0212.

- N. 4 Wires from power supply to push button panel towards the outdoor set (2 twisted coupled wires);
- N. 3 Wires from power supply to push button panel switch-off device;
- N. 4 Common wires from power supply to indoor sets;
- N. 2 Common wires from push button panel switch-off device to indoor sets;
- N. 1 Single wire from push button panel to each indoor set.

Also foresee wires for push button panel lamps lighting (fed by a separate transformer of adequate power) and wires for electric lock opener button next to the door.

IMPORTANT: Use twisted coupled wires for the connections towards the outdoor station one for microphone MIC and one for loudspeaker receiver ALT.

Transmission and reception levels are calibrated, during production, on optimum values. It is possible to adjust the outwards amplification by acting on the potentiometer inserted in the loudspeaker module Ref. 752/75.

The inwards amplification cannot be adjusted. The potentiometer inserted in the microphone module acts on the inwards transmission level only when it is used as spare part in Superjolly systems with terminal + connected instead of terminal +M.

